

CMFRI

Winter School on Impact of Climate Change on Indian Marine Fisheries

Lecture Notes

Part 2

Compiled and Edited by

E. Vivekanandan and J. Jayasankar

Central Marine Fisheries Research Institute (CMFRI),
(Indian Council of Agricultural Research)
P.B. No. 1603, Cochin - 682 018, Kerala

(18.01.2008 - 07.02.2008)



CONTENTS

35. Climate change and its impact on aquaculture. <i>E.V. Radhakrishnan</i>	182
36. Some comments on the climate change impacts on kerala fisheries scenario. <i>K.S. Purushan</i>	186
37. Climate Change: Global Issues. <i>P.K. Dinesh Kumar</i>	189
38. Climate Change Vulnerability: Local perspectives. <i>P.K. Dinesh Kumar</i>	193
39. Physical Processes and wind- driven circulation in the Northern Indian Ocean. <i>S. Prasanna Kumar</i>	197
40. Response of the global warming and human-induced climate change in the Arabian Sea. <i>S. Prasanna Kumar</i>	203
41. Zooplankton reflecting global warming. <i>Rosamma Stephen</i>	207
42. Application of remote sensing in fisheries. <i>B. Meenakumari</i>	211
43. Fish nutrition and climate change. <i>R. Paul Raj</i>	217
44. Relevance of disease management with special reference to sustainable fisheries and mariculture. <i>K.K. Vijayan</i>	220
45. Diseases in ocean ecosystems and their dynamics in relation to climate change. <i>K.K. Vijayan</i>	225
46. Stress, heat shock proteins & biotechnological Interventions <i>A. Neelakanteswar, A. Gopalakrishnan, P. C. Thomas and M. P. Paulton</i>	229
47. Temperature and fish physiology. <i>H.M. Kasim</i>	235
48. Marine fisheries economics research in India- An Overview. <i>R. Sathiadhas</i>	245
49. Economic concepts and applications with special reference to climate change. <i>R. Sathiadhas</i>	252
50. Climate change as a communication challenge (CCCC). <i>C. Ramachandran</i>	260
51. The PRIMER software and its application in marine biodiversity studies. <i>P.K. Krishnakumar</i>	268
52. PRIMER- A statistical curtain raiser. <i>J. Jayasankar</i>	271
53. Statistical Package for Social Scientists - A preparatory exposition. <i>J. Jayasankar and Somy Kuriakose</i>	276
54. Adaptation and mitigation measures. <i>E.Vivekanandan</i>	295

